RADVISION®
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SCOPIA ENDPOINTS

Release Notes

SCOPIA XT4000 and XT5000 Series

Version 3.1.0.28

Table of Contents

Product Highlights 3
Graphical User Interface 3
Supported Languages 4
Web Interface 4
Multi-Homing Network 5
HD Monitors 5
Video Layouts 5
Video Inputs 6
SCOPIA XT5000/XT4000 Series - Version 3.1.0.28 7
What's New 7
Embedded MCU and SCOPIA XT Desktop 7
Web Video 8
Wake Up and Turn Off Displays on HDMI 9
Geo-Localization 9
Graphical Interface Enhancements 9
Preset Management 10
Local Contacts Management 11
Activation of Advanced Settings 12
Restriction of Basic Settings with PIN code 12
Do not disturb status 13
MCU pages 13
Other GUI enhancements 15
Enhancements 15
Languages 15
Video and Presentation 15
Audio 16
Contacts Directory Management Enhancements 17
Networking 17
Upgrading to this Release 19
Resolved Issues 20
Known Issues 21

Common Menu Shortcuts 24
Additional References 25

Product Highlights

Graphical User Interface

The new GUI in SCOPIA XT5000 and XT4000 Series products has been developed to offer intuitive use, maximum ergonomics and high usability experience.
The graphics is displayed on the full screen video image using transparency levels for menu and information.

At first system startup, a quick setup wizard will guide you through four basic installation steps:

- Welcome: Insert system name; select your country and your preferred language.
- Configure Monitor: If all the sides of the triangles 1 and 2 are not visible on your monitor, adjust the screen size aligning the triangles corners till they are visible.
- GLAN1 Settings: you can automatically get an IP address for your Codec Unit or configure it manually.
- Configure Gatekeeper: you can configure the Codec Unit to place calls using an H323 Gatekeeper on your network.

Once configured, the home page menu will be shown as in the picture.

It gives immediate access to the following features:

- Call: Place a call inserting an address or picking an existing call from redial list; you can also specify advanced call options using the drop down arrow button on the right of the Call button.
- Contacts: Browse for a contact address in your local or corporate contacts directory. Add, modify and delete contacts (single calls or multi-conference calls) in your local contacts directory.

- Present: Activate a local presentation. The presentation will be automatically activated when the PC output signal is detected, by connecting a PC to the DVI input of the system.
- Control Camera: Change video input, move the camera, activate video privacy before a call, store and recall camera presets.
- Configure: Check information about your system and system status. Configure basic systems settings. You can also repeat the quick setup steps if needed. If a yellow exclamation mark icon appears on the header bar of the system, the System status menu can give additional information about the notification (for instance your network cable is not connected).
  An optional PIN can be set to protect access to Quick Setup and Basic Settings
- Configure with Advanced Settings: It is possible to show/hide Advanced Settings menu item (Configure>*General>Show Advanced Settings = Yes/Hide)*. When shown, access to these pages is restricted by a PIN code (default 1234).

During a call, a call control panel can be activated any time by pressing OK. After a few time, the call control panel and the top header bar disappear.

The call control panel gives immediate access to the following features:

- Mute: Mute and un-mute your local microphones
- Present: Send a PC presentation or the video from an additional HD camera to the remote end.
- *Do not Disturb:* Automatically decline incoming calls without being notified *(This item is disabled when Multi-conference feature is not available).*
- Privacy: Pause transmission of your video to the remote end.
- Control Camera: Change video input, move cameras, store and recall camera presets. All these actions can also be executed on far end cameras, if the remote peer allows their cameras to be controlled.
- Layouts: Change the visualization of the local, remote and presentation videos, giving a preview of the selected layout. A single person represents the local video, a group of persons represents the remote video, and a bar chart represents a presentation.
- Stats: View statistics about the call (information about the remote peer system; call rate, audio, video and presentation streams)
  When in a conference, press left and right arrows to browse stats of different participants
- *Meeting:* Additional management of local/connected systems. *(This item is disabled when Multi-conference feature is not available or your endpoint is not participating in a H243 managed conference)*

Supported Languages

SCOPIA XT5000 and XT4000 Series supports a wide set of languages: English, French, Spanish, Deutsch, Italian, Portuguese, Norwegian, Swedish, Chinese (Mandarin), Japanese, Russian, Korean, Czech, Magyar, Polish, Finnish, Thai, Traditional Chinese, Turkish, Arabic, Farsi.

Web Interface

SCOPIA XT5000 features can be managed using a standard WEB browser.
To login into the Codec Unit using a browser, browse to http:// < system IP Address >; the default credentials are:

User: Admin
Password: 1234

HTTPS is also supported to enhance security.

Note: XT5000 Web UI is tested with the latest browser versions available at the time of release.
The following browsers are supported:
IE7+, Google Chrome 11+, Firefox 3.6+, Safari 5+ and Opera 11+.

Multi-Homing Network

SCOPIA XT5000 and XT4000 Series are equipped with two 10/100/1000 Gigabit Ethernet interfaces (GLAN1 and GLAN2). You can use both ports for connecting to a private and public network, or to two different private networks (two different private ranges - according to RFC1918).

Note: GLAN2 is always enabled on XT5000 Series; a license is needed to activate it on XT4000 Series.

HD Monitors

The codec unit can be connected to one monitor (to the HD1 Output), or two (one to the HD1 Output, one to the HD2 Output). In any case the codec unit is able to automatically recognize the output configuration, and to work properly. Graphical user menus are automatically kept on the monitor connected to the HD1 Output.

For an optimal conferencing experience with XT5000, it is recommended to use monitors able to support 1080p Full HD resolution. In any case, a monitor supporting at least 720p is required.

Note: If by chance the main monitor output is forced to a format that it is not supported by the monitor itself, by pressing on the Remote Control the <layout> key and then 0, the system resets the monitor setting to <auto>.

Note: When a dual monitor configuration is used, the audio output is available only on the monitor connected to the HD1 output, to avoid malfunctioning of the echo canceller due to different audio delays that can be inserted by different monitors. If the audio is not available on the monitor connected to the HD1 output, in Web menu User Settings→Diagnostics→Audio→Tests activate the Local Tone test. If the tone is amplitude modulated, and the level is not constant but it increases and decreases, this is an indication the HDMI monitor is not set properly or it is incompatible.

Video Layouts

The SCOPIA XT5000 and XT4000 Series supports dynamic video layouts that change depending on status of the ongoing calls and on the number of monitors connected to the Codec Unit. The video layouts can be also manually changed using the Remote Control “layouts” key.
The “pip” key on the Remote Control rules the visibility of an additional video window.
In the system Graphical User Interface the Layouts button gives access to a preview of the available layouts/pip choices that can be selected using the arrows on the Remote Control and applied by pressing OK.

When in a meeting, an additional Layout page in the Meeting panel allows to change the Continuous Presence layout (video participants you can see and transmit to all the connected sites).

Video Inputs

The XT5000 and XT4000 Series codecs support multiple video inputs from HDMI and DVI input ports, in digital and analog format, PC or TV resolutions, as specified in the following tables:

HDMI/DVI-Digital & Analog, TV formats	Supported Refresh Frequency (Hz)	
Name	*Digital*	*Analog*
HD 1080p	60, 50, 30, 25	60
HD 720p	60, 50, 30, 25	60

DVI-Digital & Analog, Computer formats		Supported Refresh Frequency (Hz)	
Name	*Resolution*	*Digital*	*Analog*
1080p	1920x1080	60	60
SXGA	1280x1024	60, 75	60, 75
HD+(900p)	1600x900	60	N/A
WSGA	1440x900	60	60
UVGA	1280x960	60, 85	60, 85
WXGA	1280x768	60	N/A
720p	1280x720	60	60
XGA	1024x768	60, 70, 75	60, 70,75
SVGA	800x600	60,72,75	60, 72, 75
VGA	640x480	72, 75	72, 75

Note: In XT4000 Series, live video and presentation are transmitted and received as 720p60 max.

SCOPIA XT5000/XT4000 Series - Version 3.1.0.28

This section of the release note describes the new features and capabilities included in the SCOPIA XT5000/XT4000 Series software version 3.1.0.28 since previous version 3.0.132.

Please note that upgrading to version 3.1.0 requires a new license key.

Warning:

After loading this version over an earlier version, the completion of the upgrade procedure may require up to two upgrade phases and two corresponding automatic re-boots. A 30-40 seconds interval may occur between seeing the initial graphical menu and the start of next upgrade phase.

System led may repeatedly blink during these phases.
Please, do not turn off the system until the upgrade procedure is completed.
This procedure is completed when you see the initial graphical menu still for at least one minute.

Note:

Software upgrade packages named "XT5000_Vx_y_z.exe" can be used to upgrade both XT5000 Series and XT4000 Series Codec Units.

What's New

Version 3.1.0.28 introduces many new features, and some improvements and fixings. Following sections briefly explains the main ones.

Embedded MCU and SCOPIA XT Desktop

This version supports embedded MCU4 (basic MCU) and MCU9 (site extension).

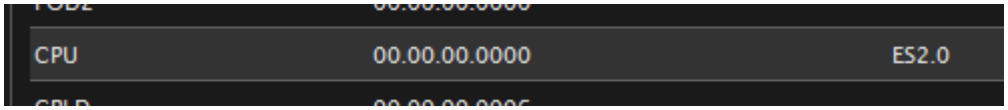
Embedded MCU can support 1080p30 on both live and presentation

For SMB deployment, XT Desktop is also supported (required XTD v7.7.200.37 or higher. See Note for minimal XTD server reuirements).

Customers who own XT5000 CPU version 1.0 or version 1.1 and would like to upgrade to an internal MCU should contact RADVISION for a product RMA.

Note:

To check your CPU version, browse to WEB Diagnostics>Software Version.
CPU version 2.0 or higher is required to enable MCU feature.



Note:

The following limitations apply to this first version of MCU for XT5000.

- Contribution of a single remote participant in the continuous presence mosaic is up to 448p
- High Profile and SVC are supported only in pt-to-pt call, not during multi-conference

- It is not possible to add H.263 participants while in a conference
- Lecturer mode is not supported

Such limitations will be removed in a future firmware version

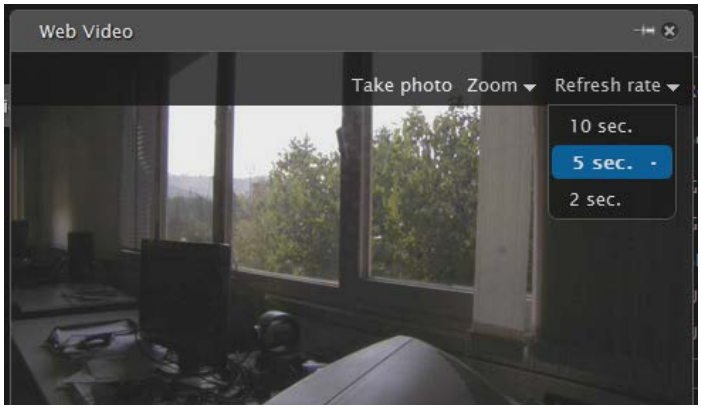
Note:

XTD Server minimal installation requirements are:
OS: Window Server 2003/2008
RAM: 2G
Disk: 20G
CPU: Dual Core Intel Pentium E5400 2.70GHz
NIC: 100 Mbit
Please refer to XTD Server setup guide for more details.

Web Video

In this version the XT Codec local video input (HD camera or DVI) can be remotely monitored using a Web Browser, when the system is NOT IN A CALL.

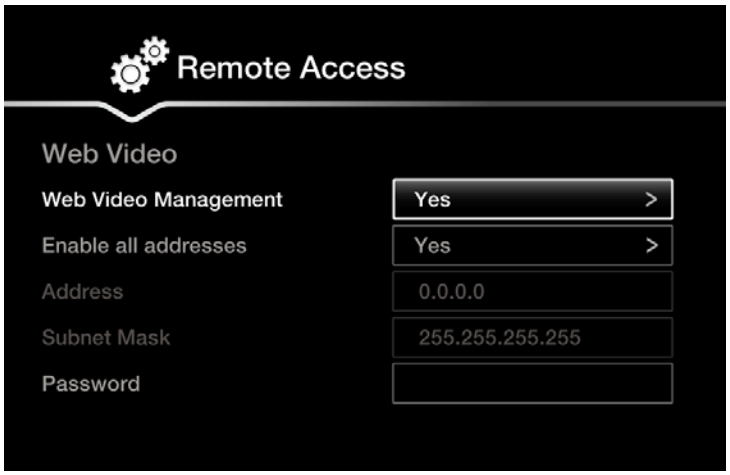
Browse to http:// < system IP Address >, enter username and password (by default Admin/1234), then select More Actions > Web Video



Refresh rate and Zoom level can be defined. Snapshots can also be saved as photo in your PC.

When your system is monitored using Web Video, an eye icon is displayed in the system GUI top bar, near the time.

To define the rules for the remote access to your local camera, browse to GUI> Configure> Advanced >Utilities>Remote Access>Web Video. You can disable the feature, or limit the IP addresses enabled to your system using Web Video, or require a password.



Wake Up and Turn Off Displays on HDMI

Consumer Electronic Control (CEC) is a technology that allows different components in a system to discover and communicate with one another.

In this version CEC can be used to automatically turn on and off the Monitor(s) connected to the XT Codec Unit, avoiding the use of Monitor's remote control.

To enable this feature, browse to:

(GUI) Configure> Advanced Settings>I/O Connection >Monitor>General> Monitor Turn Off

(WEB) Advanced Settings>I/O Connection >Monitor>General> Monitor Turn Off

- Never (*)
- Only on Shut Down
- On screen saver (after a configurable minimum time)

Note:

Monitors must support basic CEC specification and the feature must be enabled in the monitor.

Some monitors use a proprietary name to identify CEC functionalities. Refer to your monitor documentation for details.

(*) Default setting

Geo-Localization

Your Country, Time Zone and Daylight Saving are automatically detected on first installation. Language is English by default.

Note:

An active connection to Internet is required.

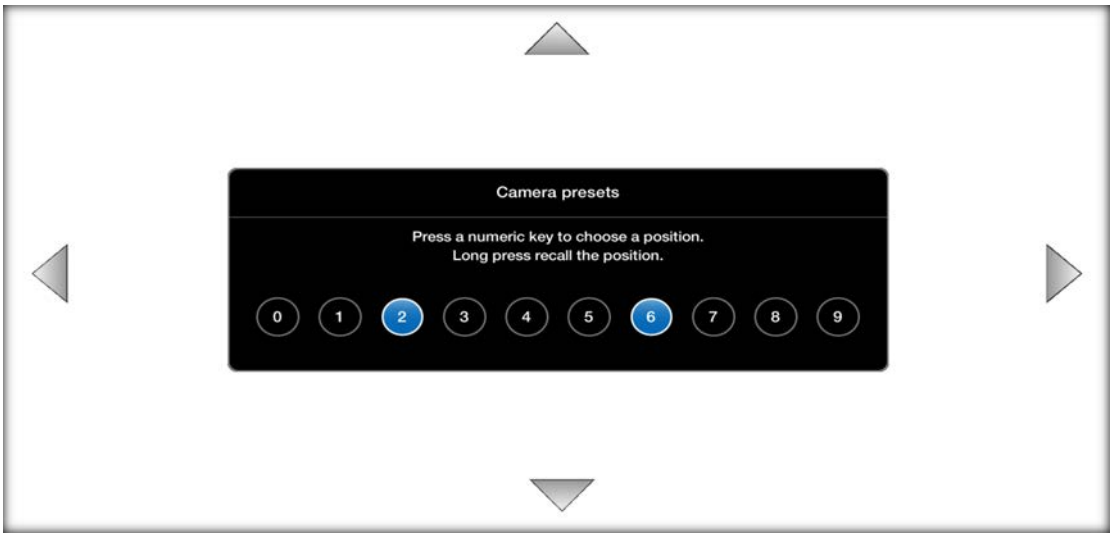
Support can be limited in some countries.

Graphical Interface Enhancements

Graphical User interface has been further improved and simplified. The following sections describe main changes.

Preset Management

Using the local GUI is now easier to store and recall up to 10 presets.
In Control Camera, press OK for other options, then select Presets.
When controlling your local camera, you can assign, select and delete presets.
Assigned presets are marked with a blue indicator.



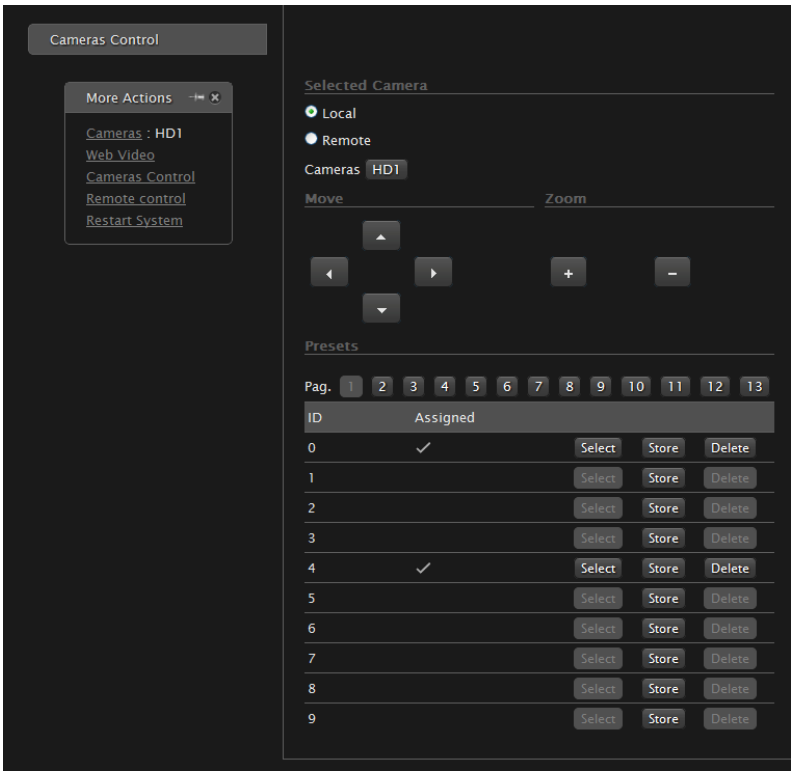
- To store a position:
  - Press a numeric key [0..9] to select a position. Selected position indicator blinks.
  - You can move/zoom the camera, and press OK when done.
  - The selected preset position indicator will become blue.
- To delete an assigned position:
  - Press a numeric key [0..9] to select a blue position. Selected position indicator blinks.
  - Press C to clear the assigned position. The blue indicator is cleared.
- To recall a stored preset position:
  - In any page, long press the digit corresponding to the preset.

Note:

When controlling a far camera, no blue graphic marker indication is present for assigned presets.

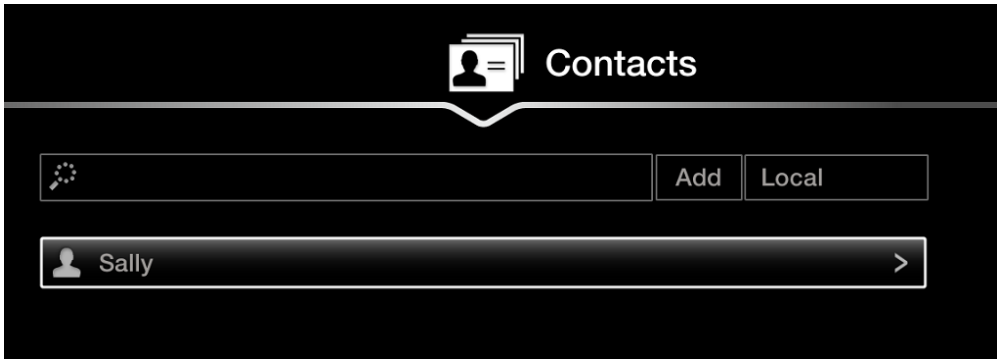
Far presets cannot be deleted.

Using a Web browser, it is possible to store, select and delete up to 122 presets.
Browse to More Actions> Camera Control>Presets.



Local Contacts Management

From the local GUI is now possible to add, modify and remove contacts from the Local Directory. To add a new Contact, in Contacts page press Add:



Insert the contact person name or (conference name, see next section) and its details. Press Add Number:

Insert the endpoint number/address and detail (call rate, SIP/H323/ISDN protocol, Audio or Audio/Video call).

If this contact person is reachable at multiple endpoints, repeat the Add Number step for all their numbers (for instance Office number, Home number, Room1 number…)

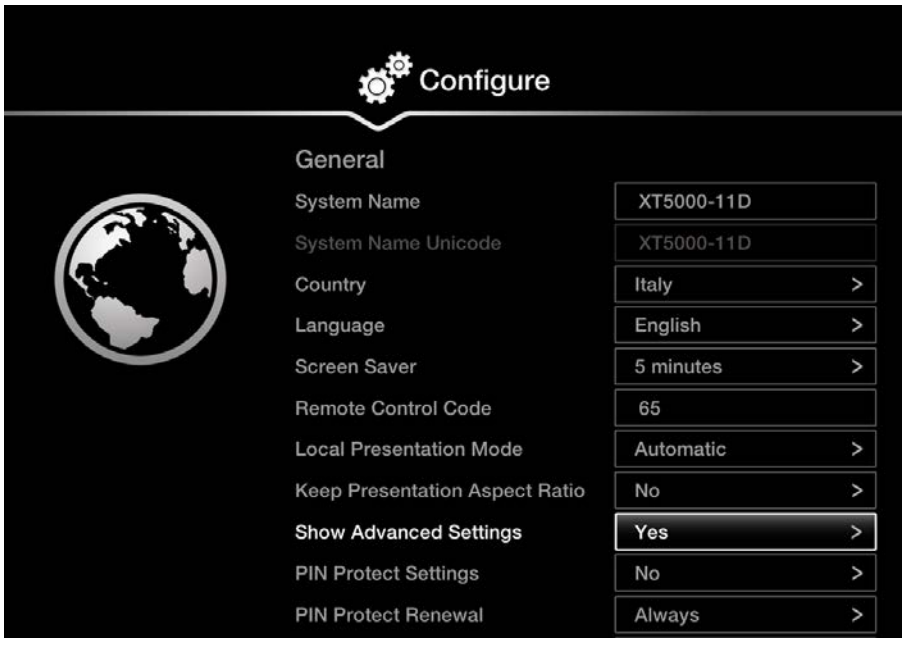
To modify an existing contact, select the contact and press right arrow. A page with details for the contact appears.

You can add a number for the contact, delete the contact itself or modify details for existing numbers. To modify an existing number, select the number and press right arrow.

Activation of Advanced Settings

It is now possible to show Advanced Settings menu item in Configure:

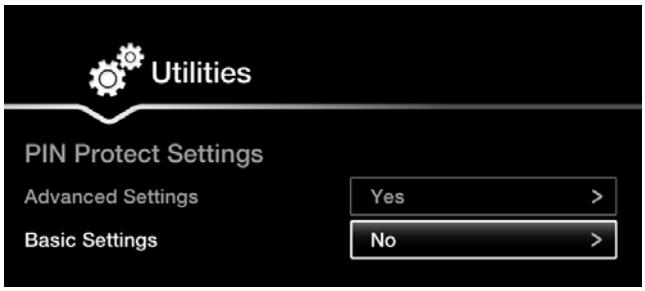
- In Configure>General, set Show Advanced Settings to Yes.
- Access to Advanced pages is restricted by a PIN code (default 1234).



Restriction of Basic Settings with PIN code

It is now possible to restrict access to Basic Settings and Quick Setup with a PIN code.
In Configure>General, set PIN Protect Settings to Yes. Default Basic PIN code is 1234.

To change Basic Pin, go to Advanced>Utilities>PIN Protect Settings>Basic Settings> Yes.
Insert a 4-digit PIN and confirm it.



It is also possible to define a renewal option for the Basic Access PIN.

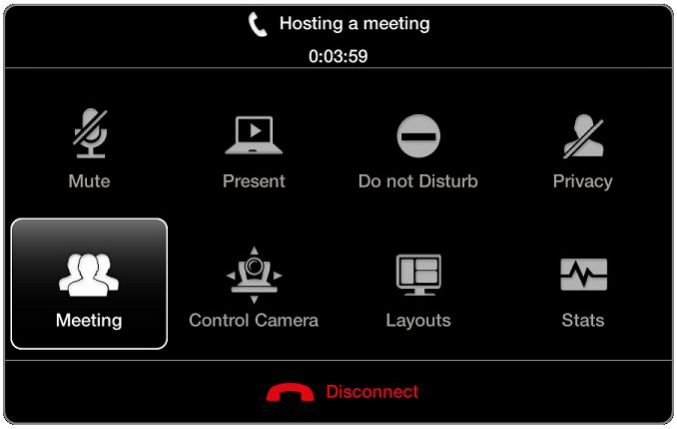
- PIN Protect Renewal = “Always”: user must insert PIN at any access
- PIN Protect Renewal = “n Minutes”: user must insert PIN only when accessing again after “n” Minutes.

Do not disturb status

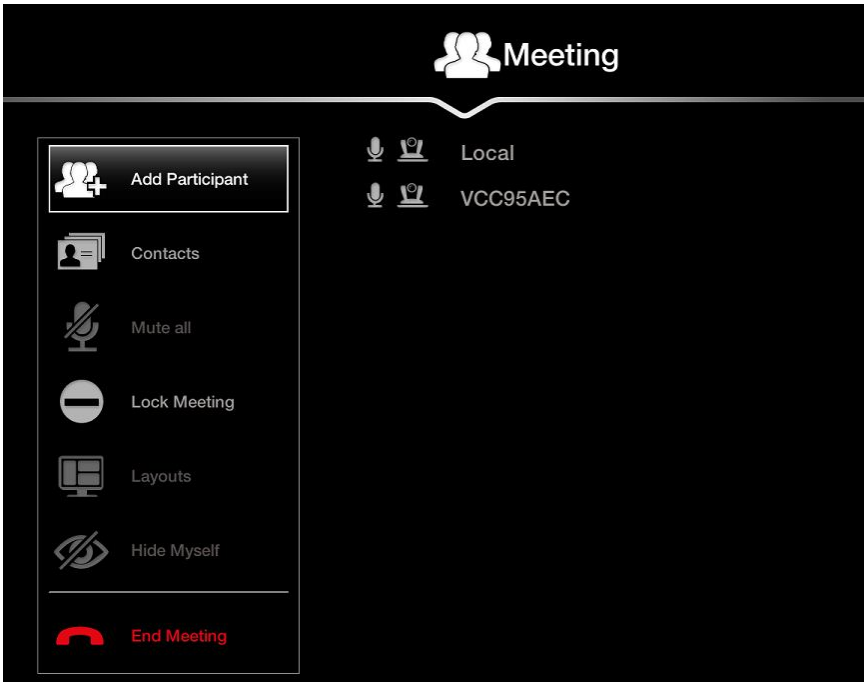
In the main page, a message is displayed when the system is in Do Not Disturb (DND) mode.
To deactivate DND, move the focus to the “Turn off Do not disturb” button using the arrows and press OK.
You can also press and hold the “Privacy” key or the “Mute” key on the Remote Control Unit to quickly toggle (activate/deactivate) Do Not Disturb status.

MCU pages

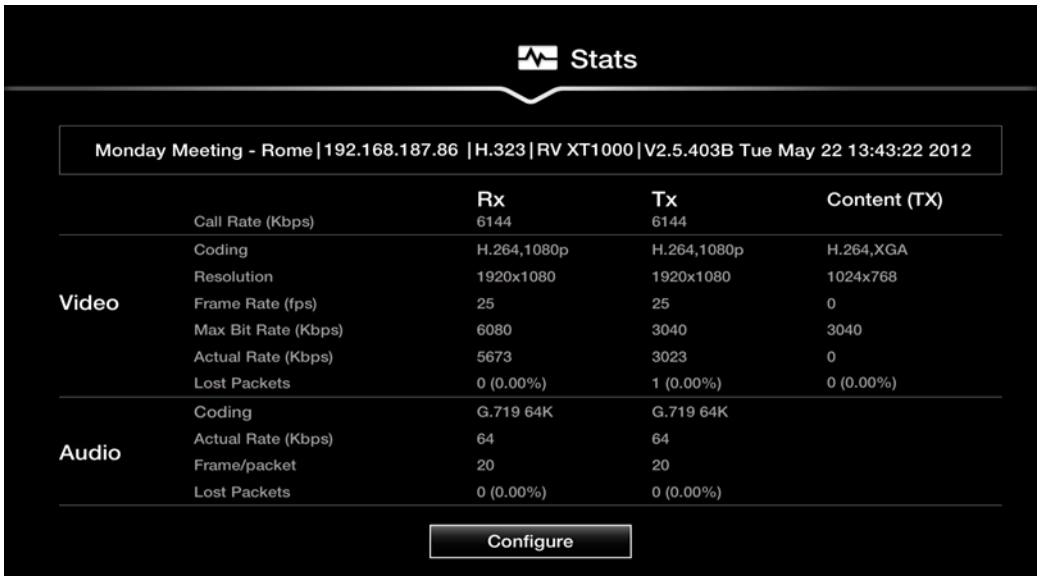
When in a call, if your MCU license is active, the Meeting button in the call panel is enabled.



- You can add a participant with a direct call, or from the list of the recent calls.
- You can browse your local or preferred remote contacts.
- You can lock the meeting (activating DND)
- You can change Meeting Layouts (this will change the number of participant you see in the Continuous presence layout)
- You can exclude your hide your audio and video for unattended conferences
- You can see details on the participant (info and statistics of the call)



To quickly access statistics for each participant, in call panel press “Stats” and press left/right arrows to select previous and next participant


Stats
Monday Meeting - Rome|192.168.187.86 |H.323|RV XT1000|V2.5.403B Tue May 22 13:43:22 2012
Rx
Tx
Content (TX)
Call Rate (Kbps) 6144 6144
Video
Coding H.264,1080p H.264,1080p H.264,XGA
Resolution 1920x1080 1920x1080 1024x768
Frame Rate (fps) 25 25 0
Max Bit Rate (Kbps) 6080 3040 3040
Actual Rate (Kbps) 5673 3023 0
Lost Packets 0 (0.00%) 1 (0.00%) 0 (0.00%)
Audio
Coding G.719 64K G.719 64K
Actual Rate (Kbps) 64 64
Frame/packet 20 20
Lost Packets 0 (0.00%) 0 (0.00%)
Configure
Statistic page has also been improved to give a clearer and compact visualization

Other GUI enhancements

- Automatic hide of Top Header Bar in a call, after 15 seconds.
  - Header reappears if Mute, Privacy, DND, Far Camera ctrl are activated
- Automatic closure of Stats and Layouts pages on call disconnection
- Automatic resizing of button text in available space (font is smaller).

Enhancements

This version introduces many enhancements. Following sections describe the main ones.

Languages

Translations for many languages have been completed or revised in this software version

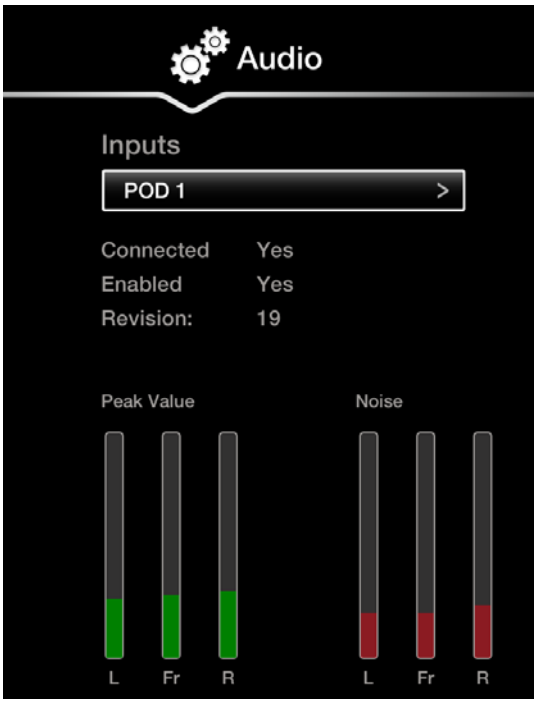
Video and Presentation

- Added H.263 support (only in pt-to-pt calls)
- Improved quality of up-scaled video for 720p and lower formats
- Improved Presentation Quality in RADVISION Solution using SEI (Supplemental Enhancement Information) strategy, when slide changes or there are errors on the network.
- Improved DVI/XGA PC capture (enhanced color and sharpness quality)
- Improved Bandwidth/Resolution balance when using H.264 High Profile
- H264 TSVC enabled by default
- H264 High Profile TSVC enabled by default

- Presentation resizing for monitors with over scan
  - Local and received presentation
- Possibility to preserve local presentation aspect ratio
  - Default is stretched
- PIP/PAP/POP improved support
- EDID version rolled back to 1.3
  - Some display drivers do not recognize version 1.4 advertised by XT5000 V3.0. With this version, the recommended resolution is 1080p as expected.
- Camera Privacy mode default is Yes
- Camera Bring back to place default is Yes

Audio

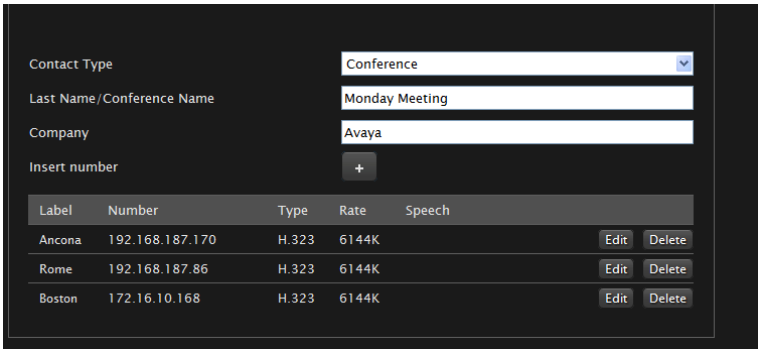
- Added AAC-LD support
- Added G.729 support as part of the optional Audio Package
- Improved audio management support (GUI & Web)
  - Possibility to perform tests from GUI: Configure >System Status>Diagnostics>Audio
    - Inputs
    - Outputs
    - Streams
    - Tests



Contacts Directory Management Enhancements

Conference Contacts

It is possible to define a "Conference" contact, which includes a set of terminals to invite together in a meeting. This is useful to automatically create meetings that involves the same set of participants and can be recalled with a single click.



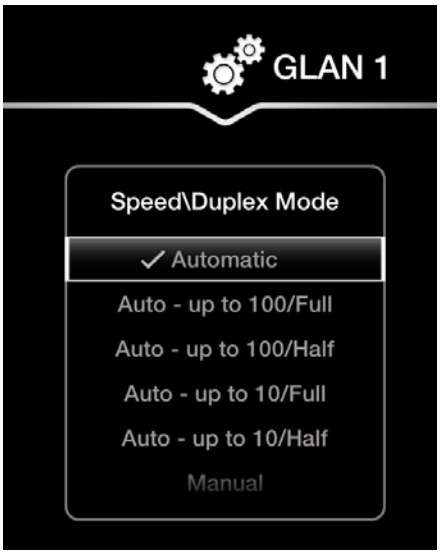
Note: Conference contacts can always be defined, but a MCU license is needed to place more than a call.

Remote LDAP H.350 Servers Management

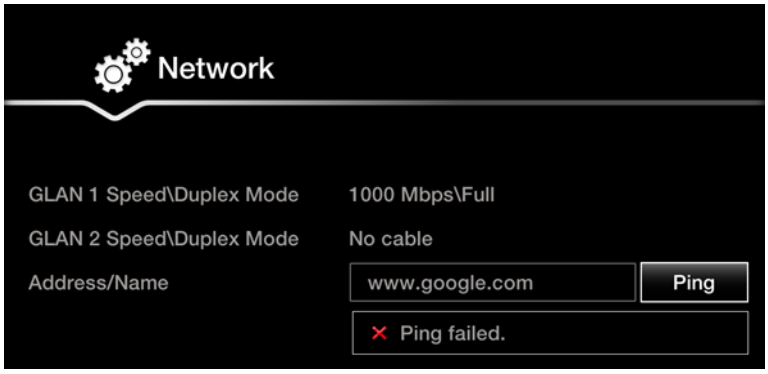
- Possibility to define a list of Preferred Servers, that are proposed in the Contact page (allowing the user to browse the Local Directory and one or more Remote Directories)
- Improved support for Generic Remote Servers (added customizable RootDN field).
  - SCOPIA Management Suite and other H350 LDAP servers can require defining an additional RootDN field. In SCOPIA Management View this corresponds to "Corporate Address Book"> Domain name.
- Dynamic Detection of Remote Server Status
  - Improved support for Server not responding/Server available status

Networking

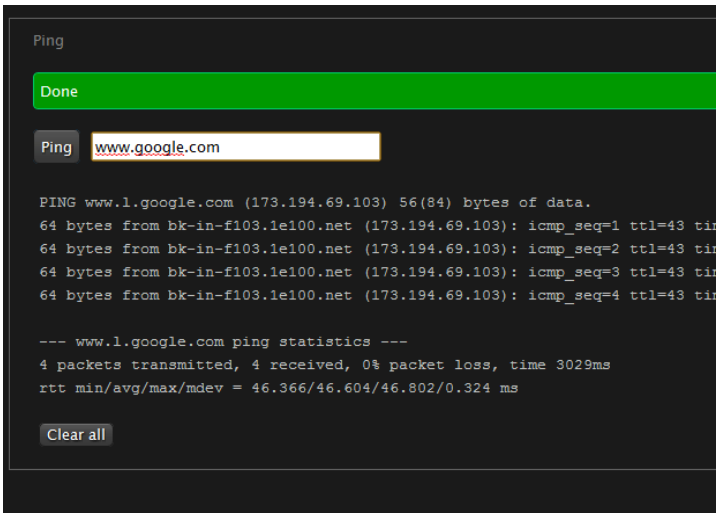
- Improved support for Multi-homing. You can now use both ports for connecting to a private and public network, or to two different private networks (two different private ranges - according to RFC1918).
- Possibility to limit Network Auto Negotiation.



- GUI: Configure>System Status>Diagnostics>Network >
  - Status of GLAN1 and GLAN2 Auto negotiation
  - Ping utility



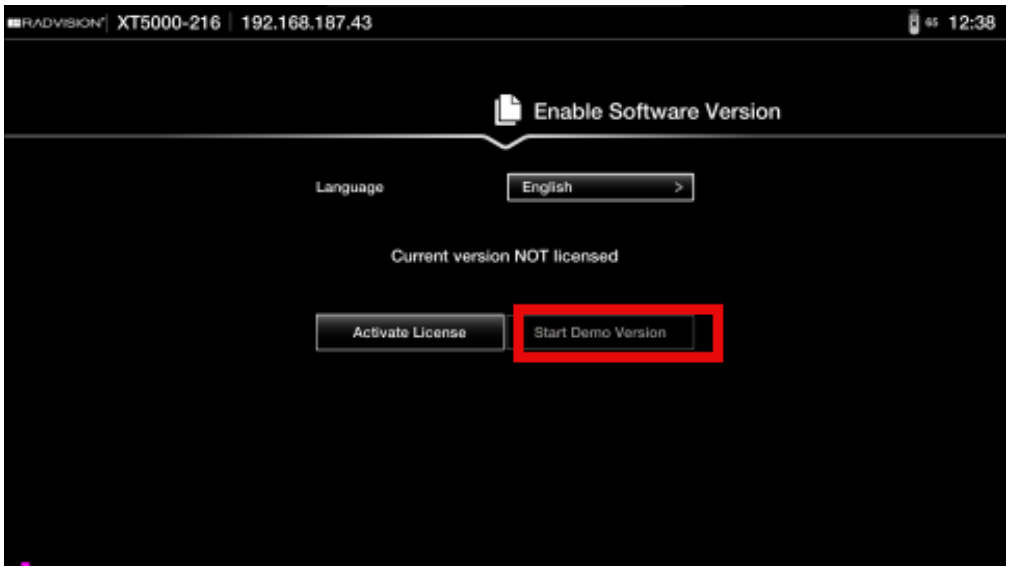
- Web: Diagnostics>Network
  - Status of GLAN1 and GLAN2 Auto Negotiation
  - Ping
  - Trace route


Ping
Done
Ping
www.google.com
PING www.l.google.com (173.194.69.103) 56(84) bytes of data.
64 bytes from bk-in-f103.1e100.net (173.194.69.103): icmp_seq=1 ttl=43 ti
64 bytes from bk-in-f103.1e100.net (173.194.69.103): icmp_seq=2 ttl=43 ti
64 bytes from bk-in-f103.1e100.net (173.194.69.103): icmp_seq=3 ttl=43 ti
64 bytes from bk-in-f103.1e100.net (173.194.69.103): icmp_seq=4 ttl=43 ti
--- www.l.google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3029ms
rtt min/avg/max/mdev = 46.366/46.604/46.802/0.324 ms
Clear all

- WEB>Diagnostics>Utilities>Advanced Tools>
  - NETLOG Capture Start/Stop/Download captured files
- TELNET: It is possible to limit remote access to the system by disabling Telnet or changing its password. Telnet welcome screen gives more information about system product and version

Upgrading to this Release

- When upgrading to this version over a 3.0, the Software Upgrade program displays a warning that a new license is required. The license can be activated either before or after a software upgrade.
- XT5000 comes with a Customer Letter containing:
  - Codec Serial Number
  - Product Key for software enabling
  - Additional Product Keys for other options (such as MCU 4 Sites, Bandwidth extension, etc.)
- To use this software release, your Product Key must be activated to obtain a Software License Key at http://licensing.radvision.com
  - System with version 3.1.0.x can work with full features in Preview Demo Mode for a period of 24 hours.
  - To enable the system in Preview Demo Mode, select the Start Demo Version button (red in the below picture).



  - The remaining available time is shown at the top of the screen, and in the license page.

  - After this free evaluation period, the software will be locked and final license/new demo license key must be inserted
- This release also supports use of demo licenses with temporal limitations. Please contact your sales representative for further details.

Note: It is always possible to downgrade the XT4000/XT5000 system to a previous licensed version or to V3.0

Resolved Issues

Version 3.1.0.28 of the SCOPIA XT5000/XT4000 Series includes resolved problems from previous version 3.0.132.

- Fixed random resets of systems with LED flashing. PIC firmware had a timeout to recover communications blocks that could be too low in some environmental conditions.
- Fixed IOT issues with Avaya Communication Manager, Multivantage and IPOffice platforms
- Fixed DVI/XGA capture issues with some PC resolutions
- Fixed H323/SIP issues for Brazilian Homologation

Issue ID	Description
QC#18292 QC#18290	IPOFFICE-32380, IPOFFICE-32383: Embedded MCU Wrong number of audio participants.
QC#17947	Avaya Integration Rad #71 [XT/SIP]: XT5000 reboots 25 seconds after call from 1XC-sip video unmute
QC#17872	Issues if a particular character is present into SIP name
QC#17763	SI #16384-10295: Incident #16384-10295: Feature Request: XT5000 ability for users to add contacts from the on screen Contact Page itself
QC#17502	Avaya Integration Rad #67: XT5000 transmits CIF instead of 720p (or 1080p) when in conference and using external video source
QC#17501	Avaya Integration Rad #66: XT5000 statistics pops up every time the layout is switched
QC#17500	OK button doesn't wake up GUI from Presentation mode.
QC#17396	Rolling Reboots - SN 1216280509
QC#17395	Video issue after an invalid call.
QC#16856	Avaya Integration Rad #56 [XT/SIP]: SIP registered XT-series negotiate G.711 instead of G.722 when dialed by Avaya endpoints.
QC#16856	Avaya Integration Rad #56 [XT/SIP]: SIP registered XT-series negotiate G.711 instead of G.722 when dialed by Avaya endpoints
QC#16714	Avaya integration Rad #53 [XT/SIP]: XT-series endpoint becomes unregistered from SM
QC#16536	the system doesn't use the codec w240p
QC#16531	Sometimes when the system is waked up from screen saver it displays a black screen
QC#16461	IPOFFICE-30596: "RADVISION: Display is not updated after blind transfer".
QC#16460	IPOFFICE-30593: "RADVISION: Wrong display name: call from XT5000 to Flare"
QC#16364	Web server is blocked if the user select an LDAP unreachable server
QC#15022	If the user makes SIP IPV6 recall the system will not send audio video to the remote
QC#14977	Random crash when the user wakes up the system from the screen saver
QC#14964	Into "Phonebook" or "Recent call" menu the remote control emulation from web doesn't correctly work
QC#14801	GK Registration could not work fine if both GLANs are using a Private IP Range (192.168.x.x, 10.x.x.x or 172.16-31.x.x) (Incident #16384-9985)
QC#14158	[AMDOCS] XT5000 at 720p and lower transmit picture with low sharpness and cold colors (Incident #158406)
QC#13694	XT5000 did reboot after it was invited in SIP to a meeting
QC#12895	Graphics is not visible or video is black when using two non homogeneous monitors at the same time.
QC#11196	XT5000 could lose GK Registration when changing any GLANs IP configuration detail (Incident #157874)
QC#11269	H.263 Video coding is not supported for main video and presentation in this software version
QC#11269	H.263 Video coding Sony EPs PCS-1, PCS-TL30, PCS-G50 series could not open their TX Video Channel (Incident #8192-13651)
QC#11269	H.263 Video coding Main Video and/or Presentation could not be established between XT5000 and Polycom VSX systems
QC#11269	H.263 Video coding H.239 Presentation Channel is not working with MCU Elite Classic if it is configured to use H.263 video coding.
QC#11267	When the system is in privacy mode, last video frame is sent to the remote end instead of a

	synthetic image. If privacy is active since beginning of the call, black video is sent.
QC#11265	Digital Audio Out is not available
QC#11263	Monitor borders adjustment done for graphics are not applied to DVI input or received presentation (received pres to be tested)
QC#11261	Audio from HDMI input is not supported
QC#10972	If the user set the system with a wrong IP address the system doesn't report a warning to the user
QC#10727	IOT issues with Polycom VSX 7000 Rel. 8.7.1
QC#10725	The video from XT5000 in HD/SD Scopia classic conference is not fluid
QC#10551	If the system enters in an Elite conference with presentation active, the system receives a black presentation
QC#10456	WEB: Saving Internet Time no->yes or making some new settings into Time Zone menu the web browser does not respond
	Some settings in GUI advanced pages are not working
IOT	Fixed SIP video compatibility issue between Avaya software client (Counter Path software house) and XT5000. Solution: Inserted packetization field "packetization-mode=0" (optional in this case) for H.264 baseline profile
IOT	Fixed issue related to SIP timers. This issue prevents, for example, sending RTCP statistics, reading RTP packets if "POLLING" mode is used. It is also important to have SIP H264 SVC / H264 HiP SVC working (they are based on RTCP statistics).
IOT	Fixed issue when connecting to XT endpoints with new format x.y.z.n in version numbering
IOT	Fixed not standard usage of disconnection cause zero (not allowed by Q.931), now converted to 31 (Normal, unspecified). In this way Q.931 release complete message does not any more contain a bad disconnection cause value.
IOT	In case received bearer caps do not contain any rate information ("Transfer mode = Packet mode") the remote max rate now is set to the max configured system rate instead of default 384 Kbits.
IOT	Added Patch to parse wrong string m-stream used by Polycom for the SDP/BFCP instead of "mstrm"
IOT	Applied RADVISION H.323 stack patch to get Brazilian homologation for H.323 (RV_H323_ETSI_TS_101_804_02_COMPLIANCE)
IOT	Applied Sip application patch to fix Brazilian homologation issues: - SIP-CC-OE-CE-TI-011 - SIP-CC-OE-CE-TI-012
IOT	Sip application patch to fix Brazilian homologation issues: - SIP-RG-RT-TI-005 - SIP-CC-OE-CR-TI – 005 Reduced T1 timer from its 500ms default value to 400ms
IOT	Sip application patch to fix Brazilian SIP homologation - SIP_CC_OE_CE_V_019 - SIP_CC_TE_SM_I_001
IOT	Radvision Toolkit patch for H.323 Brazilian homologation - RAS_TE_BND_06 - RAS_TE_BND_07 - RAS_TE_BND_08 - RAS-TE-DIS-02 - BCC-TE-S-U00-08, - BCC-TE-S-U01-10 - BCC-TE-S-U01-11 - BCC-TE-S-U03-07

Known Issues

RADVISION performs effective testing of each software version. Patch software may be available to fix known issues of this software version. Please contact RADVISION's Customer Support Service for further information.

Category	ID	Description	Resolution
System Setup	QC#12897	Camera placed on top of the system case may provoke system overheat. Automatic protection from such overheat may cause system reset.	Place the camera nearby the system.

Category	ID	Description	Resolution
Recovery Mode	QC#11258	In Recovery mode only HD1 Monitor and GLAN1 can be used	
I/O Connections	QC#11259	HDMI Audio is not available on HD2 monitor	
	QC#11264	Black video is shown when no video input or DVI input is available	
	QC#16369	In random way during Factory default the system can display black video for long time.	
	QC#16506	Blocking screensaver procedure while it is in process can cause camera movements	
	QC#13363	There is no possibility to record the call (local and remote audio, plus mirror of HD1 monitor) connecting a VCR/Recorder to the HD2 Output	
IOT	QC#2766	Polycom MGC50 (v 8.0.2.6): in some cases H.239 presentation does not function.	
	QC#2981	Polycom diagnostics incorrectly identifies the SCOPIA XT Series systems.	
	QC#2964	Cisco C20 cannot control the XT5000 camera in H.323 calls.	
	QC#6665	Polycom MGC systems (v9.0): SCOPIA XT5000 Series does not receive the video stream when it is connected to MGC with default settings (reference Pivotal #16384-7589).	For low bit rate calls (up to 256Kbits), set the maximum call rate of the XT5000 to 2M (the same max. rate as MGC) in the **Administrator settings > Call Preferences** page. For 384Kbit 2Mbit calls: go to the MGC **Advanced Properties** page and uncheck the **Auto Video Bit Rate**.
	QC#5567	LifeSize Express LS_EX1_3.0.7 (2) produces corrupted audio in SIP calls with audio coding based on G.722.1 Annex C, 48 kHz. SCOPIA XT5000 Series cannot establish incoming point-to-point SIP calls if H.264 coding is used.	Update LifeSize Express to latest version. As a temporary alternative, disable G.722.1 in Web **Administrator settings > Calls > Preferences > Audio**.
	QC#16828	IOT issue with Tandberg/CISCO MXP1500 - Reported to Tandberg/Cisco	Disable H.264 HighProfile on XT5000.
	QC#17464	In the first minutes the Tandberg/CISCO MXP1500 will not send video to XT5000-Reported to Tandberg/Cisco	Disable H.264 HighProfile on XT5000.
	QC#17736	IOT issue with Cisco SX20 in SIP calls	
	QC#17446	Presentation issue in SIP call between CISCO SX20 and XT5000	
	QC#16857	Avaya 10x0(Lifesize) v4.8 issue. Avaya Integration Rad #57 [XT/SIP]: SIP registered XT5000 can't do content sharing (BFCP) with Avaya 1000-series endpoints	Upgrade 1000-series endpoints to version 4.9 or higher
	QC#11493	Incident #16384-10505: Remote camera switch from HDX to XT5000 and reverse is not performed. Issue reported to Polycom.	
	QC#18490	When more than 4 XTD clients are connected to XT embedded MCU, sometimes they do not receive presentation. This happens more frequently on slow XTD servers.	Minimal installation requirements for XTD server are: OS: Window Server 2003/2008 RAM: 2G Disk: 20G CPU: Dual Core Intel Pentium E5400 2.70GHz NIC: 100 Mbit

Category	ID	Description	Resolution
	JIRA#32420	IPOFFICE: embedded 5000: Conference is put on hold when one participant press hold.	
	JIRA#31460	IPOFFICE: IPO users are not able to see the video images of other conference participants if on the Radvision sip trunk Direct media is selected	
In a Call	QC#9510	It's not possible to redial an ISDN Incoming Call Number through the Recent Calls List (Incident #156601)	
	QC#9509	There is not an immediate way to dial out ISDN Voice Only Calls (Incident #156599)	To dial out ISDN Voice Only Calls the following procedure currently applies: 1. Change to "Manual" the "Service mode" from WEB Administrator Settings -> Calls -> Preferences -> ISDN" 2. Insert a different Service Code for the 64K Calls 3. Add/Define the same Service code to the Gateway Service Prefixes List specifying that its type is a "Voice Only" one 4. Dial out to the required ISDN/PSTN Phone Number selecting 64K as the required Call Rate (Advanced call options)
In a meeting		With multiple monitor scenario, when presentation is not available, the PIP on graphical monitor cannot be forced	
	QC#18084	Embedded MCU "Make Lecturer" feature is disabled	
	QC#18673	There is no possibility to add H.263 participants while in a conference	
	QC#18764	The SIP Endpoints joining a meeting will not be able to send/receive any presentation since SIP BFCP is not yet supported by the embedded MCU feature	
	QC#18675	During an embedded meeting, the local video input cannot be changed.	
Software Upgrade	QC#18364	If the updating is done on system equipped with PIC firmware rev 33 (implemented up to sw release V3.1.019), sometimes it can happen that at start-up the system keeps rebooting with 3 or 5 led/logo blinks as error code.	When it happens, plug/unplug the power jack connector (the remote control power Off/On command isn't detected by PIC).
Network	QC#14601 QC#18670	XT5000, XT4200 network negotiation issues on both ports when using some particular network equipment (Incident #24576-10154)	Always configure in "Autosensing" both the XT and the (Giga)Switch LAN Port. You can also limit the auto negotiation mode to 100/Full or lower
	QC#18671	When using a telnet connection to 60123 port, each command must be followed by a double enter to be executed	

Common Menu Shortcuts

- To customize the use of the Remote Control Unit, press together the "Red" and "Green" keys on the Remote Control Unit, then press the relevant digit keys to type a two digit code (from 01 to 99). The default code is 01. The code programmed in the Remote Control Unit must match the setting configured in UI Configure > General> Remote Control Code or in WEB User Settings-> General> Remote Control Code.
- Some HD monitors can crop the codec unit output; if the borders of the graphical menus are not fully visible, in the Home Menu select the Configure button and select the Quick Setup Menu. Step 2 of the Setup will allow you to assure that the graphical menus (and local and received presentation on graphical monitor) are fully visible. You can also resize the local and received presentation on additional monitor in Administrator settings > I/O Connections > Monitor > Graphical Adjustments
- Press and hold a single digit [0..9] to recall an assigned local or far preset.
- Press and hold the "C" key to completely erase a field content in the GUI
- Press and hold the "Privacy" key or the "Mute" key on the Remote Control Unit to toggle Do Not Disturb status.
- In Home Menu press the "C" or "Back" key on the remote control; that will give the possibility to move quickly the main camera without going into the "Control Camera" menu. Press again C to bring back the graphical menu
- Call Control Panel is not automatically shown when starting a call; it can be manually invoked by pressing "OK". It will be automatically hidden after a few second, and it can also be manually removed at any time by pressing the "Back" key on the Remote Control.
- During the call the top header and the call page remain visible only for a few seconds. The header is automatically reactivated when Mute or privacy or DND status is set to On. You can remove or activate the graphics at any time by pressing the "C" button on the Remote Control Unit. On the initial menu page, also the "Back" button on the Remote Control can remove and redisplay the graphics menu.
- If you want to check the call status and diagnostics while in a call, press the Stats button in the Call Control Panel
- **New, in a meeting**: To quickly access statistics for each participant in a meeting, in call panel press "Stats" and press left/right arrows to select previous and next participant.
- To bring back the Codec Unit to automatic monitor configuration, press the Layouts button, then press 0 on the Remote Control Unit. Use this shortcut only when no call is active.
- To change the refresh frequency used for the monitors, press the Layouts button on the Remote Control Unit, then press 5 to set it to 50 Hz or 6 to set it to 60 Hz. Use this shortcut only when no call is active.

Additional References

- For documentation, datasheet, and new software releases about SCOPIA XT5000 Series, visit http://www.radvision.com/Products/Video-Conference-Systems/Conference-Room-Systems/XT5000
- For more information about SCOPIA XT Series Integration with AMX, Crestron and Extron Controllers, visit http://www.radvision.com/Support/Technical-Documentation/SCOPIA-XT1000-Series/Controllers.htm
- For more information about the complete offering of RADVISION products, visit http://www.radvision.com
- SCOPIA XT Series devices include AAC-ELD technologies licensed by Fraunhofer IIS, see http://www.iis.fraunhofer.de/amm

Fraunhofer IIS

Fraunhofer AAC-ELD

About RADVISION

RADVISION, an Avaya company, is a leading provider of video conferencing and telepresence technologies over IP and wireless networks. We offer end-to-end visual communications that help businesses collaborate more efficiently. Together, Radvision and Avaya are propelling the unified communications evolution forward with unique technologies that harness the power of video, voice, and data over any network. See more at www.radvision.com

USA/Americas
T +1 201 689 6300
F +1 201 689 6301
infoUSA@radvision.com

EMEA
T +44 20 3178 8685
F +44 20 3178 5717
infoUK@radvision.com

APAC
T +852 3472 4388
F +852 2801 4071
infoAPAC@radvision.com

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